

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/070391 A2

(51) International Patent Classification⁷: **A61K 9/00**

(21) International Application Number:
PCT/GB2005/000174

(22) International Filing Date: 19 January 2005 (19.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0401291.0 21 January 2004 (21.01.2004) GB
0418141.8 13 August 2004 (13.08.2004) GB

(71) Applicant (for all designated States except US): **THE SCHOOL OF PHARMACY** [GB/GB]; University of London, 29-39 Brunswick Square, London WC1N 1AX (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BASIT, Abdul, Waseh** [GB/GB]; c/o The School of Pharmacy, University of London, 29-39 Brunswick Square, London WC1N 1AX (GB). **KENDALL, Richard, Andrew** [GB/GB]; c/o The School of Pharmacy, University of London, 29-39 Brunswick Square, London WC1N 1AX (GB). **MURDAN, Sudax, Shina** [GB/GB]; c/o The School of Pharmacy, University of London, 29-39 Brunswick Square, London WC1N 1AX (GB).

(74) Agents: **POWELL, Stephen, David et al.**; Williams Powell, Morley House, 26-30 Holborn Viaduct, London EC1A 2BP (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PI, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2005/070391 A2

(54) Title: **METHOD OF PRODUCING MICROPARTICLES**

(57) Abstract: Microparticles with a median particle diameter of 100µm or less are produced by means of a solvent evaporation method in which a bioactive and a vehicle in a solvent phase such as ethanol are emulsified in a non-solvent phase such as liquid paraffin and then the solvent is evaporated off. The emulsification is stabilised by employing a mixture of surfactants having a hydrophilic-lipophilic balance of up to 8.